

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (amended): A wind power plant where ~~the~~ a driving shaft communicates with a synchronous generator (3) ~~optionally through a gear (2)~~ and with a transformer with ~~n~~ a number of output windings, said transformer communicating through an AC/DC rectifier with an HVDC transmission cable (9), measures being taken so as to secure against possible variations in the speed of rotation, characterised by a magnetic field controller (4) connected to the generator (3), said magnetic field controller (4) being adapted to vary the magnetic field in the synchronous generator (3) in response to a speed of rotation-dependent output parameter of said generator (3) in such a manner that possible variations in the speed of rotation are compensated for, ~~whereby~~ wherein the AC/DC rectifier is composed of diodes.

Claim 2 (original): A wind power plant as claimed in claim 1, characterised in that the magnetic field controller (4) is adapted to detect the currents (IG1, IG2) generated by the synchronous generator (3), a negative feedback being established for regulating the current through the rotor winding (3a).

Claim 3 (original): A wind power plant as claimed in claim 1, characterised in that the magnetic field controller (4) is adapted to detect the voltages (IG1, IG2) generated by the synchronous generator (3), a negative feedback being established for regulating the current through the rotor winding (3a).

Claim 4 (original): A wind power plant as claimed in claim 1, characterised in that the magnetic field controller (4) is adapted to detect the power generated by the generator (3), a negative feedback being established for regulating the current through the rotor winding (3a) in response to the detected power.

Claim 5 (original): A wind power plant as claimed in claim 4, characterised in that the negative feedback for regulating the current through the rotor windings (3a) includes a P, I or D regulation or a combination thereof.

Claim 6 (previously presented): A wind power plant as claimed in claim 1, characterised in that the rotor windings are dimensioned with a relatively low inductance.--

Claim 7 (currently amended): A wind power plant as claimed in claim 1, characterised in that the rotor is adapted to rotate at a ~~relatively high~~ speed of rotation, whereby high enough to further reduce the inductance ~~can be further reduced~~.--

Claim 8 (previously presented) A wind power plant as claimed in claim 1, characterised in that the synchronous generator (3) is multipolar.--

Claim 9 (currently amended): A wind power plant as claimed in claim 1, where the wind turbine comprises a transformer with ~~n~~ a number of output windings coupled in series with ~~n~~ an equal number of rectifiers so as to obtain an HVDC.--

Claim 10 (new): A wind power plant as claimed in claim 1 wherein the driving shaft communicates with the synchronous generator (3) through a gear (2).